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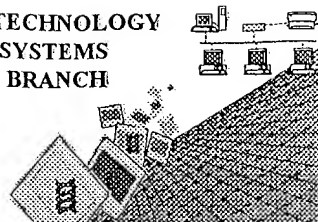
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1632

#15

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/674,496A  
Source: 1600  
Date Processed by STIC: 11/7/2002

RECEIVED  
NOV 20 2002  
TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

# Raw Sequence Listing Error Summary

## ERROR DETECTED

## SUGGESTED CORRECTION

SERIAL NUMBER: 09/674,496A

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ Wrapped Nucleics  
Wrapped Aminos  
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 ☐ Invalid Line Length  
The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 ☐ Misaligned Amino  
Numbering  
The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 ☐ Non-ASCII  
The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 ☒ Variable Length  
Sequence(s) 1 contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 ☐ PatentIn 2.0  
"bug"  
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)           . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 ☐ Skipped Sequences  
(OLD RULES)  
Sequence(s)            missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 ☐ Skipped Sequences  
(NEW RULES)  
Sequence(s)            missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
- 9 ☐ Use of n's or Xaa's  
(NEW RULES)  
Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10 ☐ Invalid <213>  
Response  
Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ☐ Use of <220>  
Sequence(s)            missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 ☐ PatentIn 2.0  
"bug"  
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 ☐ Misuse of n  
n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



1600

## RAW SEQUENCE LISTING

DATE: 11/07/2002

PATENT APPLICATION: US/09/674,496A

TIME: 15:36:04

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF4\11072002\I674496A.raw

**Does Not Comply  
Corrected Diskette Needed**

3 <110> APPLICANT: BERNARD, DELOBEL  
 4 ANNIE, GRENIER  
 5 JACQUES, GUEGEN  
 6 ERIC, FERRASSON  
 7 MBAIGUINAM, MBAILAO  
 9 <120> TITLE OF INVENTION: USE OF POLYPEPTIDE DERIVED FROM A PA 1B LEGUME ALBUMEN AS  
 INSECTICIDE  
 11 <130> FILE REFERENCE: 199463USOXPCT  
 13 <140> CURRENT APPLICATION NUMBER: US 09/674,496A  
 14 <141> CURRENT FILING DATE: 2001-01-11  
 16 <150> PRIOR APPLICATION NUMBER: PCT/FR99/01085  
 17 <151> PRIOR FILING DATE: 1999-05-07  
 19 <150> PRIOR APPLICATION NUMBER: FR 98/05877  
 20 <151> PRIOR FILING DATE: 1998-05-11  
 22 <160> NUMBER OF SEQ ID NOS: 8  
 24 <170> SOFTWARE: PatentIn version 3.1  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 13  
 28 <212> TYPE: PRT  
 29 <213> ORGANISM: ARTIFICIAL SEQUENCE  
 31 <220> FEATURE:  
 32 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE, RESIDUES 1, 3, 5, 7, 9, 11, AND 13 MAY BE  
 A MA  
 33 XIMUM OF 10, 5, 10, 10, 4, 15, AND 10 AMINO ACIDS, RESPECTFULLY  
 34 AND SOME OF THESE AMINO ACIDS MAY BE MISSING.  
 36 <220> FEATURE:  
 37 <221> NAME/KEY: MISC\_FEATURE  
 38 <222> LOCATION: (1)..(1) /  
 39 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID  
 42 <220> FEATURE:  
 43 <221> NAME/KEY: MISC\_FEATURE  
 44 <222> LOCATION: (3)..(3) /  
 45 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID  
 48 <220> FEATURE:  
 49 <221> NAME/KEY: MISC\_FEATURE /  
 50 <222> LOCATION: (5)..(5)  
 51 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID  
 54 <220> FEATURE:  
 55 <221> NAME/KEY: MISC\_FEATURE  
 56 <222> LOCATION: (7)..(7) /  
 57 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID  
 60 <220> FEATURE:  
 61 <221> NAME/KEY: MISC\_FEATURE  
 62 <222> LOCATION: (9)..(9)

*variable length is not permitted -  
see item 5 on ENU summary sheet*

*do you mean "respectively"?*

63 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID

## RAW SEQUENCE LISTING

DATE: 11/07/2002

PATENT APPLICATION: US/09/674,496A

TIME: 15:36:04

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF4\11072002\I674496A.raw

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66 <220> FEATURE:
67 <221> NAME/KEY: MISC_FEATURE /
68 <222> LOCATION: (11)..(11)
69 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
72 <220> FEATURE:
73 <221> NAME/KEY: MISC_FEATURE
74 <222> LOCATION: (13)..(13)
75 <223> OTHER INFORMATION: X IS ANY ONE AMINO ACID
78 <400> SEQUENCE: 1
W--> 80 Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa
81 1 5 10
84 <210> SEQ ID NO: 2
85 <211> LENGTH: 7
86 <212> TYPE: PRT
87 <213> ORGANISM: ARTIFICIAL SEQUENCE
89 <220> FEATURE:
90 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
92 <220> FEATURE:
93 <221> NAME/KEY: MISC_FEATURE
94 <222> LOCATION: (1)..(1)
95 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
96 nine
99 <220> FEATURE:
100 <221> NAME/KEY: MISC_FEATURE
101 <222> LOCATION: (2)..(2)
102 <223> OTHER INFORMATION: X is proline
105 <220> FEATURE:
106 <221> NAME/KEY: MISC_FEATURE
107 <222> LOCATION: (6)..(6)
108 <223> OTHER INFORMATION: X is proline
111 <220> FEATURE:
112 <221> NAME/KEY: MISC_FEATURE
113 <222> LOCATION: (7)..(7)
114 <223> OTHER INFORMATION: X is proline
117 <220> FEATURE:
118 <221> NAME/KEY: MISC_FEATURE
119 <222> LOCATION: (3)..(3)
120 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and
tyro
121 sine
124 <220> FEATURE:
125 <221> NAME/KEY: MISC_FEATURE
126 <222> LOCATION: (4)..(4)
127 <223> OTHER INFORMATION: X is an amino acid chosen from aspartic acid or glutamic
acid
130 <220> FEATURE:
131 <221> NAME/KEY: MISC_FEATURE
132 <222> LOCATION: (5)..(5)
133 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine
and me
134 thionine
137 <400> SEQUENCE: 2

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## RAW SEQUENCE LISTING

DATE: 11/07/2002

PATENT APPLICATION: US/09/674,496A

TIME: 15:36:04

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF4\11072002\I674496A.raw

W--&gt; 139 Xaa Xaa Xaa Xaa Xaa Xaa Xaa

140 1 5

143 &lt;210&gt; SEQ ID NO: 3

144 &lt;211&gt; LENGTH: 4

145 &lt;212&gt; TYPE: PRT

146 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

148 &lt;220&gt; FEATURE:

149 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

151 &lt;220&gt; FEATURE:

152 &lt;221&gt; NAME/KEY: MISC\_FEATURE

153 &lt;222&gt; LOCATION: (2)..(2)

154 &lt;223&gt; OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and threo

155 nine

158 &lt;220&gt; FEATURE:

159 &lt;221&gt; NAME/KEY: MISC\_FEATURE

160 &lt;222&gt; LOCATION: (4)..(4)

161 &lt;223&gt; OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine, threonin

162 e, aspartic acid and glutamic acid

165 &lt;220&gt; FEATURE:

166 &lt;221&gt; NAME/KEY: MISC\_FEATURE

167 &lt;222&gt; LOCATION: (3)..(3)

168 &lt;223&gt; OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine, threonin

169 e and a basic residue

172 &lt;220&gt; FEATURE:

173 &lt;221&gt; NAME/KEY: MISC\_FEATURE

174 &lt;222&gt; LOCATION: (1)..(1)

175 &lt;223&gt; OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine, threonin

176 e and a basic residue

179 &lt;400&gt; SEQUENCE: 3

W--&gt; 181 Xaa Xaa Xaa Xaa

182 1

185 &lt;210&gt; SEQ ID NO: 4

186 &lt;211&gt; LENGTH: 9

187 &lt;212&gt; TYPE: PRT

188 &lt;213&gt; ORGANISM: ARTIFICIAL SEQUENCE

190 &lt;220&gt; FEATURE:

191 &lt;223&gt; OTHER INFORMATION: SYNTHETIC PEPTIDE

193 &lt;220&gt; FEATURE:

194 &lt;221&gt; NAME/KEY: MISC\_FEATURE

195 &lt;222&gt; LOCATION: (1)..(1)

196 &lt;223&gt; OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine and me

197 thionine

200 &lt;220&gt; FEATURE:

201 &lt;221&gt; NAME/KEY: MISC\_FEATURE

202 &lt;222&gt; LOCATION: (3)..(3)

203 &lt;223&gt; OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine and me

204 thionine

207 <220> FEATURE:

208 <221> NAME/KEY: MISC\_FEATURE



## RAW SEQUENCE LISTING

DATE: 11/07/2002

PATENT APPLICATION: US/09/674,496A

TIME: 15:36:04

Input Set : A:\199463USOXPCT.ST25.txt

Output Set: N:\CRF4\11072002\I674496A.raw

209 <222> LOCATION: (2)..(2)  
 210 <223> OTHER INFORMATION: X is proline  
 213 <220> FEATURE:  
 214 <221> NAME/KEY: MISC\_FEATURE  
 215 <222> LOCATION: (4)..(4)  
 216 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and  
 threo  
 217 nine  
 220 <220> FEATURE:  
 221 <221> NAME/KEY: MISC\_FEATURE  
 222 <222> LOCATION: (8)..(8)  
 223 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and  
 threo  
 224 nine  
 227 <220> FEATURE:  
 228 <221> NAME/KEY: MISC\_FEATURE  
 229 <222> LOCATION: (6)..(6)  
 230 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine,  
 methi  
 231 onine, phenylalanine, tryptophan and tyrosine  
 234 <220> FEATURE:  
 235 <221> NAME/KEY: MISC\_FEATURE  
 236 <222> LOCATION: (9)..(9)  
 237 <223> OTHER INFORMATION: X is an amino acid chosen from phenylalanine, tryptophan and  
 tyro  
 238 sine  
 241 <220> FEATURE:  
 242 <221> NAME/KEY: MISC\_FEATURE  
 243 <222> LOCATION: (5)..(5)  
 244 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine  
 and me  
 245 thionine  
 248 <220> FEATURE:  
 249 <221> NAME/KEY: MISC\_FEATURE  
 250 <222> LOCATION: (7)..(7)  
 251 <223> OTHER INFORMATION: X is an amino acid chosen from valine, leucine, isoleucine  
 and me  
 252 thionine  
 255 <400> SEQUENCE: 4  
 W--> 257 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
 258 1 5  
 261 <210> SEQ ID NO: 5  
 262 <211> LENGTH: 5  
 263 <212> TYPE: PRT  
 264 <213> ORGANISM: ARTIFICIAL SEQUENCE  
 266 <220> FEATURE:  
 267 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE  
 269 <220> FEATURE:  
 270 <221> NAME/KEY: MISC\_FEATURE  
 271 <222> LOCATION: (1)..(1)  
 272 <223> OTHER INFORMATION: X is a basic amino acid or an amino acid chosen from valine,  
 leuc  
 273 ine, isoleucine and methionine

276 <220> FEATURE:  
277 <221> NAME/KEY: MISC\_FEATURE  
278 <222> LOCATION: (2)..(2)

## RAW SEQUENCE LISTING

DATE: 11/07/2002

PATENT APPLICATION: US/09/674,496A

TIME: 15:36:04

Input Set : A:\199463USOXPECT.ST25.txt

Output Set: N:\CRF4\11072002\I674496A.raw

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279 <223> OTHER INFORMATION: X is/asparagine or glutamine or a basic amino acid
282 <220> FEATURE:
283 <221> NAME/KEY: MISC_FEATURE
284 <222> LOCATION: (3)..(3)
285 <223> OTHER INFORMATION: X is proline
288 <220> FEATURE:
289 <221> NAME/KEY: MISC_FEATURE
290 <222> LOCATION: (4)..(4)
291 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
292     nine
295 <220> FEATURE:
296 <221> NAME/KEY: MISC_FEATURE
297 <222> LOCATION: (5)..(5)
298 <223> OTHER INFORMATION: X is an amino acid chosen from alanine, serine, glycine and
threo
299     nine
302 <400> SEQUENCE: 5
W--> 304 Xaa Xaa Xaa Xaa Xaa
305 1           5
308 <210> SEQ ID NO: 6
309 <211> LENGTH: 37
310 <212> TYPE: PRT
311 <213> ORGANISM: ARTIFICIAL SEQUENCE
313 <220> FEATURE:
314 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
316 <400> SEQUENCE: 6
318 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
319 1           5           10           15
322 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Ile Gly Tyr Cys
323           20           25           30
326 Arg Asn Pro Ser Gly
327           35
330 <210> SEQ ID NO: 7
331 <211> LENGTH: 37
332 <212> TYPE: PRT
333 <213> ORGANISM: ARTIFICIAL SEQUENCE
335 <220> FEATURE:
336 <223> OTHER INFORMATION: SYNTHETIC PEPTIDE
338 <400> SEQUENCE: 7
340 Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
341 1           5           10           15
344 Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Val Gly Tyr Cys
345           20           25           30
348 Arg Asn Pro Ser Gly
349           35
352 <210> SEQ ID NO: 8
353 <211> LENGTH: 37
354 <212> TYPE: PRT
355 <213> ORGANISM: ARTIFICIAL SEQUENCE
357 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/674,496A

DATE: 11/07/2002  
TIME: 15:36:05

Input Set : A:\199463USOXPCT.ST25.txt  
Output Set: N:\CRF4\11072002\I674496A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1, 3, 5, 7, 9, 11, 13  
Seq#:2; Xaa Pos. 1, 2, 3, 4, 5, 6  
Seq#:3; Xaa Pos. 1, 2, 3, 4  
Seq#:4; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8, 9  
Seq#:5; Xaa Pos. 1, 2, 3, 4, 5